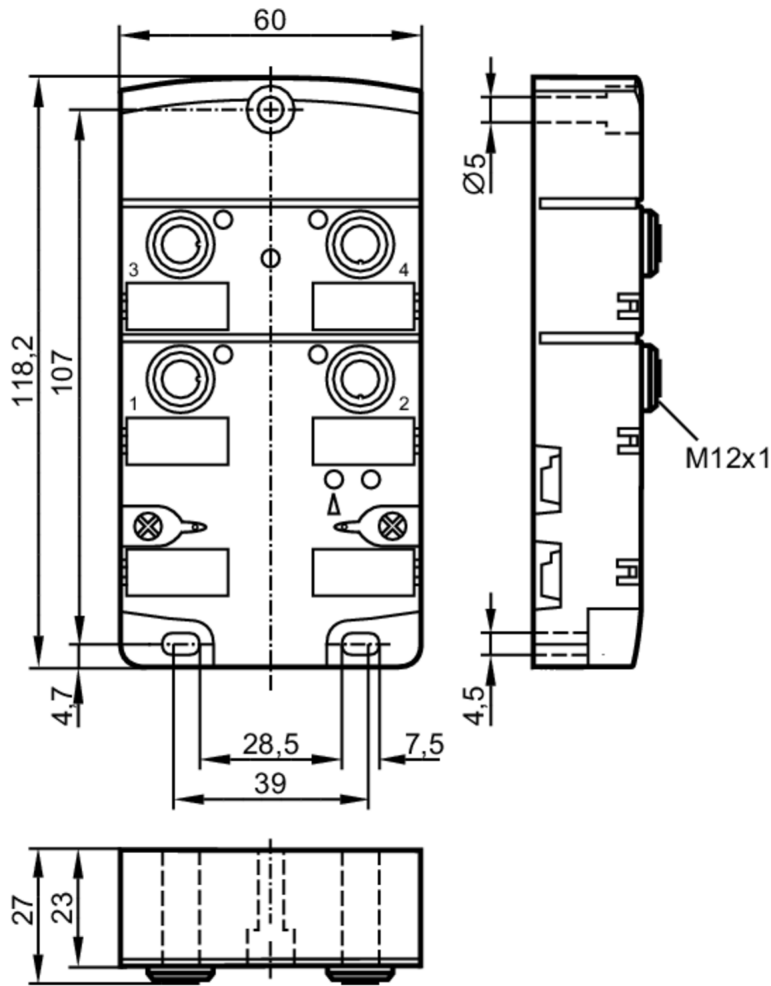




AS-Interface CompactLine module

CompactM12 4 DI V4A



Application

Application field installation

Electrical data

|                                    |      |                |
|------------------------------------|------|----------------|
| Operating voltage                  | [V]  | 26.5...31.6 DC |
| Max. current consumption from AS-i | [mA] | 250            |

Inputs / outputs

Number of inputs and outputs Number of digital inputs: 4

Inputs

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Number of digital inputs            | 4                                      |
| Input circuit of digital inputs     | PNP; (type 2 according to IEC 61131-2) |
| Sensor supply of the inputs         | AS-i                                   |
| Power supply                        | [V] 20...30; (DC)                      |
| Max. total current rating of inputs | [mA] 200                               |
| Input current limitation            | [mA] 15                                |



## AS-Interface CompactLine module

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|                                                 |      |        |
|-------------------------------------------------|------|--------|
| Input current High                              | [mA] | 6...10 |
| Input current Low                               | [mA] | 0...2  |
| Switching level high                            | [V]  | > 11   |
| Digital inputs protected against short circuits |      | yes    |

## Operating conditions

|                             |      |                                                    |
|-----------------------------|------|----------------------------------------------------|
| Ambient temperature         | [°C] | -25...80                                           |
| Storage temperature         | [°C] | -25...80                                           |
| Max. relative air humidity  | [%]  | 90; (non condensing)                               |
| Max. height above sea level | [m]  | 2000                                               |
| Protection                  |      | IP 67; (when flat cables are used E7400x / E7401x) |

## Tests / approvals

|             |              |         |
|-------------|--------------|---------|
| EMC         | EN 61000-6-2 |         |
|             | EN 62026-2   |         |
|             | EN 50581     |         |
| MTTF        | [years]      | 383     |
| UL approval | power supply | Class 2 |

## AS-i classification

|                             |                        |     |     |     |     |
|-----------------------------|------------------------|-----|-----|-----|-----|
| AS-i version                | 2.11; 3.0              |     |     |     |     |
| AS-i addressing             | IR addressing possible |     |     |     |     |
| Extended addressing mode    | yes                    |     |     |     |     |
| AS-i master profile         | M2; M3; M4             |     |     |     |     |
| AS-i profile                | S-0.A.E                |     |     |     |     |
| AS-i I/O configuration      | [hex]                  | 0   |     |     |     |
| AS-i ID code                | [hex]                  | A.E |     |     |     |
| AS-i certificate            | 126501                 |     |     |     |     |
| Assignment of the data bits | data bit               | D0  | D1  | D2  | D3  |
|                             | input                  | 1   | 2   | 3   | 4   |
|                             | socket                 | I-1 | I-2 | I-3 | I-4 |
|                             | pin                    | 4   | 4   | 4   | 4   |

## Mechanical data

|                  |                                                                                                                                                                                                                              |       |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Weight           | [g]                                                                                                                                                                                                                          | 285.5 |
| Type of mounting | AS-i flat cables directly connectable                                                                                                                                                                                        |       |
| Materials        | PA 6.6; socket: stainless steel (316L/1.4404); threaded inserts in the lower part: stainless steel (316L/1.4404); O-ring: EPDM; piercing contacts: CuSn6 nickel-plated and tin-plated; screws stainless steel (316Cu/1.4578) |       |

## Displays / operating elements

|         |                  |                     |
|---------|------------------|---------------------|
| Display | switching status | LED, yellow I1...I4 |
|         | operation        | LED, green AS-i     |
|         | errors           | LED, red            |

## Electrical connection

|                   |             |
|-------------------|-------------|
| Module connection | Flat cables |
|-------------------|-------------|

## Accessories

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Accessories (optional) | Stainless steel sleeve, for installation in case of high mechanical stress , E70402 |
|------------------------|-------------------------------------------------------------------------------------|



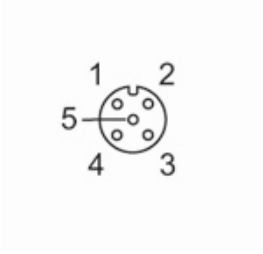
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| Remarks       |                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks       | Do not connect any of the following points to an external potential:<br>I-, I+, I1, I2, I3, I4<br>The connections are electrically connected with the AS-i cable. |
| Pack quantity | 1 pcs.                                                                                                                                                            |

Electrical connection

Connector: M12; coding: A



|   | Inputs                |
|---|-----------------------|
| 1 | Sensor supply +       |
| 2 | not used              |
| 3 | Sensor supply -       |
| 4 | data input            |
| 5 | functional earth (FE) |